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TITLE : NONWOVEN FABRIC HAVING CLOTH-LIKE FEELING AND ITS PRODUCTION

ABSTRACT : PROBLEM TO BE SOLVED: To produce a nonwoven fabric having soft cotton flannel- or wool felt-like feeling from natural materials although flat deformation of fibers proceeds because of their strong hydrogen bonds and the nonwoven fabric exhibits paper-like crispy feeling, and therefore, a bulky cloth-like material can not be obtained in a conventional nonwoven fabric made from raw materials mainly composed of hydrophilic natural fibers of wood pulp or the like.

SOLUTION: The raw material mainly composed of jute pulp and kenaf pulp are subjected to a paper making process to form wet paper in the presence of an adhesive of a hydrophilic organic polymer or/and a water soluble organic polymer without beating the raw material, with the result that paper can be formed as the fiber cross sections keep round shapes and a nonwoven fabric having soft feeling is obtained since most of adhesions between fibers are point adhesions.

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